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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Presently Amended) An implantable medical device comprising a non-woven framework and cells, wherein said non-woven framework comprises metal fibers, and pores having an average size of at least 40 μ m, and wherein said implantable medical device is implantable within the vascular system of a mammal.
- 2. (Original) The implantable medical device of claim 1, wherein said pores have an average size of at least 60 μ m.
- 3. (Original) The implantable medical device of claim 1, wherein said metal fibers are selected from the group consisting of stainless steel, tantalum, titanium, gold, and platinum.
- 4. (Original) The implantable medical device of claim 1, wherein said metal fibers are stainless steel.
- 5. (Original) The implantable medical device of claim 1, wherein said implantable medical device further comprises an extracellular matrix protein.
- 6. (Original) The implantable medical device of claim 5, wherein said extracellular matrix protein is fibronectin.
- 7. (Previously Presented) The implantable medical device of claim 5, wherein said cells are selected from the group consisting of smooth muscle cells, stem cells, fibroblasts, hepatocytes, and endothelial cells.

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8. (Original) The implantable medical device of claim 7, wherein said cells express a polypeptide selected from the group consisting of vascular endothelial growth factor, natriuretic peptide, prostacyclin synthase, angiostatin, endostatin, erythropoietin, and a marker polypeptide.

- 9. (Original) The implantable medical device of claim 1, wherein said implantable medical device is a stent having an interior and an exterior surface.
- 10. (Original) The implantable medical device of claim 9, wherein said non-woven framework is attached to at least a portion of said exterior surface.
- 11. (Original) The implantable medical device of claim 9, wherein said stent is fabricated from said non-woven framework.
- 12. (Previously Presented) An implantable medical device comprising cells and a plurality of surfaces, wherein at least a portion of at least one of said plurality of surfaces comprises a non-woven framework, wherein said non-woven framework comprising pores having an average size of at least 40 μ m, and wherein said implantable medical device is implantable within the vascular system of a mammal.
- 13. (Original) The implantable medical device of claim 12, wherein said non-woven framework comprises metal fibers.
- 14. (Original) The implantable medical device of claim 12, wherein said non-woven framework comprises an inert polymer.
- 15. (Original) The implantable medical device of claim 14, wherein said inert polymer is polyethylene terephthalate or polytetrafluoroethylene.
- 16. (Original) The implantable medical device of claim 14, wherein said inert polymer is bioresorbable.

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17. (Original) The implantable medical device of claim 16, wherein said inert polymer is polylactic acid, polyglycolic acid, or poly (N-acetyl-D-glucosamine).

- 18. (Original) The implantable medical device of claim 12 wherein said non-woven framework further comprises an extracellular matrix protein.
- 19. (Original) The implantable medical device of claim 18, wherein said extracellular matrix protein is fibronectin.
- 20. (Previously Presented) The implantable medical device of claim 19, wherein said cells are selected from the group consisting of smooth muscle cells, fibroblasts, hepatocytes, and endothelial cells.
- 21. (Original) The implantable medical device of claim 20, wherein said cells express a polypeptide selected from the group consisting of vascular endothelial growth factor, natriuretic peptide, prostacyclin synthase, angiostatin, endostatin, erythropoietin, and a marker polypeptide.
- 22. (Original) The implantable medical device of claim 21, wherein said cells comprise a nucleic acid construct, said nucleic acid construct comprising a regulatory element operably linked to a nucleic acid encoding said polypeptide.
- 23. (Original) The implantable medical device of claim 22, wherein said regulatory element is inducible.
- 24. (Original) The implantable medical device of claim 13, wherein said metal fibers are selected from the group consisting of stainless steel, tantalum, titanium, gold, and platinum.
- 25. (Original) The implantable medical device of claim 13, wherein said metal fibers are stainless steel.

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26. (Original) The implantable medical device of claim 12, wherein said non-woven framework comprises pores having an average size of at least 60 μ M.

- 27. (Original) The implantable medical device of claim 12, wherein said implantable medical device is a stent.
- 28. (Original) The implantable medical device of claim 12, wherein said implantable medical device is a vascular graft.
- 29. (Original) The implantable medical device of claim 27, wherein said stent is balloon expandable or self-expanding.
- 30. (Original) The implantable medical device of claim 27, wherein said stent is composed of stainless steel, titanium, tantalum, platinum, platinum alloys, or a nickel-titanium alloy.
- 31. (Original) The implantable medical device of claim 13, wherein said non-woven framework is fused to at least a portion of at least one of said plurality of surfaces.
- 32. (Previously Presented) A non-woven framework comprising an extracellular matrix protein and cells, wherein said non-woven framework comprises metal fibers and has an average pore size of at least 40 μ m, and wherein said non-woven framework is implantable within the vascular system of a mammal.
- 33. (Original) The non-woven framework of claim 32, wherein said extracellular matrix protein is fibronectin.
- 34. (Previously Presented) The non-woven framework of claim 33, wherein said cells are selected from the group consisting of smooth muscle cells, fibroblasts, hepatocytes, and endothelial cells.

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35. (Original) The non-woven framework of claim 34, wherein said cells express a polypeptide selected from the group consisting of vascular endothelial growth factor, natriuretic peptide, prostacyclin synthase, angiostatin, endostatin, erythropoietin, and a marker polypeptide.

- 36. (Original) The non-woven framework of claim 35, wherein said cells comprise a nucleic acid construct, wherein said nucleic acid construct comprises a regulatory element operably linked to a nucleic acid encoding said polypeptide.
- 37. (Original) The non-woven framework of claim 36, wherein said regulatory element is inducible.

38-39. (Cancelled)